

Form PTO-1449 (Rev. 8-83)	U.S. Department of Commerce Patent and Trademark Office	Atty.Docket No. 0756-0864	Serial No. 08/051,313				
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		Applicant Yasuhiko TAKEMURA					
		Filing Date April 23, 1993	Group 2515				
U.S. PATENT DOCUMENTS							
Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date (if appropriate)	
TD	4,068,020	01/10/78	Reuschel				
	4,103,297	07/25/78	McGreivy et al.				
	4,239,346	12/16/80	Lloyd				
	4,365,013	12/21/82	Ishioka et al.				
	4,378,417	03/29/83	Maruyama et al.				
	4,591,892	05/27/86	Yamazaki				
	4,597,160	07/01/86	Ipri				
	4,680,580	07/14/87	Kawahara				
	4,740,829	04/26/88	Nakagiri et al.				
	4,818,077	04/89	Ohwada et al				
TD	4,860,069	08/22/89	Yamazaki				
FOREIGN PATENT DOCUMENTS							
	Document Number	Date	Country	Class	Subclass	Translation Yes No	
TD	1-30272	02/01/89	Japan			Abst.	
	2-51129	02/21/90	Japan			Abst.	
	0321073	06/1989	EPO			Abst.	
	1130131	05/1989	Japan			Abst.	
TD	0161555A2	11/21/85	European				
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
Examiner <i>Tai Duay</i>				Date Considered <i>09/03/04</i>			
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TD ↑		4,862,237	08/29/89	Morozumi				
		4,888,305	12/19/89	Yamazaki et al.				
		4,891,330	01/02/90	Guha et al.				
		4,897,360	01/30/90	Guckel et al.				
		4,938,565	07/03/90	Ichikawa				
		4,949,141	08/14/90	Busta				
		4,959,700	09/25/90	Yamazaki				
		4,969,025	11/06/90	Yamamoto et al.				
		4,969,031	11/06/90	Kobayashi et al.				
		4,986,213	01/22/91	Yamazaki et al.				
TD		5,003,356	03/26/91	Wakai et al.				
FOREIGN PATENT DOCUMENTS								
		Document Number	Date	Country	Class	Subclass	Translation Yes No	
TD ↓		2-103925	04/17/90	Japan			Abst.	
		2-188723	07/24/90	Japan			Abst.	
		2-210330	08/21/90	Japan			Abst.	
		2-234134	09/17/90	Japan			Full	
TD		49-77537	07/26/74	Japan				X
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)								
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TD 		5,012,228	04/30/91	Masuda et al.			
		5,028,122	07/02/91	Hamada et al.			
		5,042,918	08/27/91	Suzuki			
		5,051,570	09/24/91	Tsujikawa et al.			
		5,055,899	10/08/91	Wakai et al.			
		5,056,895	10/15/91	Kahn			
		5,058,995	10/91	Plus			
		5,077,223	12/31/91	Yamazaki			
		5,084,905	01/28/92	Sasaki et al.			
		5,132,754	07/21/92	Serikawa etl.			
TD		5,132,821	07/21/92	Nicholas			
FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Subclass	Translation Yes No
TD 		55-32026	03/06/80	Japan			Full
		58-27365	02/18/93	Japan			Full
		64-68724	03/14/89	Japan			Abst.
		64-68728	03/14/89	Japan			Abst.
TD		53-144297	12/16/78	Japan			Abst.
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Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date (if appropriate)
TD		5,182,620	01/26/93	Shimada et al.			
		5,250,818	10/05/93	Saraswat et al.			
		5,250,931	10/05/93	Misawa			
		5,339,181	08/16/94	Kim et al.			
		5,446,562	08/29/95	Sato			
		5,453,857	09/95	Takahara			
		5,459,596	10/17/95	Ueda et al			
		5,463,230	10/95	Negoto et al.			
		5,495,353	02/27/96	Yamazaki et al.			
		5,568,288	10/22/96	Yamazaki et al.			
TD		5,576,857	11/96	Takemura et al.			
FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Subclass	Translation Yes No
TD TD TD		61-141174	06/28/86	Japan			Full
		62-126677	06/08/87	Japan			Abst.
		63-100777	05/02/88	Japan			Abst.
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Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date (if appropriate)
TD		5,744,818	04/28/98	Yamazaki et al.			
		5,757,444	05/26/86	Takemura			
		5,784,073	07/21/98	Yamazaki et al.			
		5,828,429	10/27/98	Takemura			
		6,013,928	06/07/95	Yamazaki et al.			
		5,956,105	09/21/99	Yamazaki et al.			
		5,905,555	05/18/99	Yamazaki et al.			
		5,963,278	10/05/99	Yamazaki et al.			
		5,899,547	05/04/99	Yamazaki et al.			
		5,946,059	08/31/99	Yamazaki et al.			
		5,933,205	08/03/99	Yamazaki et al.			
	TD		6,011,277	01/04/00	Yamazaki		
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